

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REQUEST FOR FILING CONTINUATION/DIVISIONAL  
APPLICATION UNDER 37 C.F.R. § 1.53(b)

Mail Stop PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Customer Number 21839

17497 U.S. PTO  
10/816822



Sir:

This is a request for filing a ☐ continuation ☒ divisional application under 37 C.F.R. § 1.53(b) of the following pending application, by the following named inventor(s):

Application No. 10/055,999 Filed: January 28, 2002

Title: GAN SERIES SURFACE-EMITTING LASER DIODE HAVING SPACER FOR EFFECTIVE DIFFUSION OF HOLES BETWEEN P-TYPE ELECTRODE AND ACTIVE LAYER, AND METHOD FOR MANUFACTURING SAME

Inventor(s): (1) Yong-jo Park; (2) Kyoung-ho Ha; (3) Heon-su Jeon and (4) Si-hyun Park

- ☒ The entire disclosure of the prior application from which a copy of the oath or declaration is supplied herewith is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☐ This application is being filed by less than all the inventors named in the prior application. In accordance with 37 C.F.R. § 1.63(d)(2), the Commissioner is requested to delete the name(s) of the following person or persons who are not inventors of the invention being claimed in this application.

- ☐ This application is being filed by more than all the inventors named in the prior application. In accordance with 37 C.F.R. § 1.63(d)(5), a new oath or declaration is enclosed, and the Commissioner is requested to add the name(s) of the following person or persons who are inventors of the invention being claimed in this application.

- ☒ Applicant(s) suggests Figure 2 for inclusion on the front page of the patent application publication and patent.
- ☒ Applicant(s) requests that the published application include the following assignment information:  
Samsung Electro-mechanics Co., Ltd.

1. ☒ Enclosed is a copy of the prior Application No. 10/055,999 as originally filed on January 28, 2002, including copies of the specification, claims, drawings and the executed oath or declaration as filed.
2. ☐ Enclosed is a revised prior application and a copy of the prior executed oath or declaration as filed. No new matter has been added to the revised application.
3. ☐ Small entity status is hereby claimed.
4. ☒ The filing fee is calculated below ☒ and in accordance with the enclosed preliminary amendment.

CLAIMS					
	No. of Claims		Extra Claims	Rate	Fee
Basic Application Fee (1001)					\$ 770.00
Total Claims	17	MINUS 20 =	0	x \$18.00 (1202) =	\$ 0.00
Independent Claims	2	MINUS 3 =	0	x \$86.00 (1201) =	\$ 0.00
If multiple dependent claims are presented, add \$290.00 (1203)					\$ 0.00
Total Application Fee					\$ 770.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Application Fee					\$ 0.00
Add Assignment Recording Fee of \$40.00 (8021) if Assignment document is enclosed.					\$ 0.00
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$ 770.00</b>

5. ☐ This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.
6. ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
7. ☒ A check in the amount of \$ 770.00 is enclosed for the fee due.
8. ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.
9. ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.
10. ☒ Cancel in this application original claims 1-10, 27 and 29 of the prior application before calculating the filing fee.
11. ☐ New drawings are enclosed.
12. ☒ Applicant(s) claims priority under 35 U.S.C. § 119 of the following application(s):

Country	Application No.	Filing Date MM-DD-YYYY
Republic of Korea	2001-5065	February 2, 2001

Attorney Docket No. 030681-652  
 Prior Application No. 10/055,999

- ☒ The certified copy of the priority application  
☐ is enclosed.  
☒ was filed on January 28, 2002 in prior Application No. 10/055,999, filed on January 28, 2002, and acknowledged by the Examiner on \_\_\_\_\_ in Paper No. \_\_\_\_\_.  
☐ has not yet been filed.
13. ☒ A preliminary amendment is enclosed.
14. ☒ An Information Disclosure Statement is enclosed.
15. ☒ A General Authorization for Payment of Fees and Petitions for Extensions of Time is enclosed.
16. ☐ Also enclosed is \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
17. ☒ The power of attorney in the prior application is to Charles f. Wieland III, Reg. No. 33,096; John F. Guay, Reg. No. 47,248 and others at the law firm of Burns, Doane, Swecker & Mathis, L.L.P.
- a. ☒ The power appears in the original papers in the prior application.
- b. ☐ Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.
- c. ☐ Recognize as Associate Attorney \_\_\_\_\_
- d. ☒ Address all future communications to: (May only be completed by applicant, or attorney or agent of record.)

Burns, Doane, Swecker & Mathis, L.L.P.  
 Customer Number **2 1 8 3 9**  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404

April 5, 2004

Date

By:

John F. Guay

Registration No. 47,248

Address of signator:

Burns, Doane, Swecker & Mathis, L.L.P.  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404  
 (703) 836-6620

- ☐ inventor(s)  
☐ assignee of complete interest  
☒ attorney or agent of record  
☐ filed under 37 C.F.R. § 1.34(a)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Yong-jo PARK et al

Group Art Unit: Unassigned

Application No.: Unassigned

Examiner: Unassigned

Filing Date: April 5, 2004

Confirmation No.: Unassigned

Title: GAN SERIES SURFACE-EMITTING LASER DIODE HAVING SPACER FOR EFFECTIVE  
DIFFUSION OF HOLES BETWEEN P-TYPE ELECTRODE AND ACTIVE LAYER, AND METHOD FOR  
MANUFACTURING SAME

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

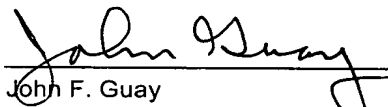
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: April 5, 2004

By

  
John F. Guay  
Registration No. 47,248